

Message

From: Bo [bo@praxis-enviro.com]
Sent: 9/12/2017 6:15:32 PM
To: Davis, Eva [Davis.Eva@epa.gov]
CC: d'Almeida, Carolyn K. [dAlmeida.Carolyn@epa.gov]; Dan Pope [DPope@css-inc.com]; Wayne Miller [Miller.Wayne@azdeq.gov]; Steve Willis [steve@uxopro.com]; Henning, Loren [Henning.Loren@epa.gov]; Jennings, Eleanor [Eleanor.Jennings@parsons.com]; Brasaemle, Karla [Karla.Brasaemle@TechLawInc.com]; Cosler, Doug [Doug.Cosler@TechLawInc.com]
Subject: Re: 2017-9-11 - wafb -ADEQ evaluation of USAF RTCs - ADEQ comments on LNAPL Volume Calcs Mar 23 2017 - ST012 EBR - see fpu17-197 -- ADEQ fpu18-043 - epa

I don't know if the mass is under estimated. Mass estimates always involve a lot of assumptions and aren't particularly reliable. I had a lot of trouble with Amec basing the mass remaining after SEE being based on how much mass was removed during SEE. That's circular and just goes back to the same assumptions and uncertainties found in the original mass estimate. The mass remaining in the thermal treatment zones is unknown without additional field data. Outside of the unknown thermal treatment and influence zones I guess their mass estimates are as good as anybody's and it is further complicated by NAPL moving around during the SEE process. How do you compare soil borings on the perimeter drilled before and after?

Sent from my iPhone

On Sep 12, 2017, at 9:09 AM, Davis, Eva <Davis.Eva@epa.gov> wrote:

I admit I get pretty lost trying to figure out how Amec did the mass estimate, and Bo's comments on it. So Bo what is the bottom line of your comments, do you think their estimate is underestimated, and if so, how seriously? Or is it a matter that they make so many assumptions that you really can't tell?

From: d'Almeida, Carolyn K.
Sent: Monday, September 11, 2017 6:57 PM
To: Davis, Eva <Davis.Eva@epa.gov>; Dan Pope <DPope@css-inc.com>
Cc: Henning, Loren <Henning.Loren@epa.gov>
Subject: FW: 2017-9-11 - wafb -ADEQ evaluation of USAF RTCs - ADEQ comments on LNAPL Volume Calcs Mar 23 2017 - ST012 EBR - see fpu17-197 -- ADEQ fpu18-043 - epa

fyi

From: Wayne Miller [mailto:Miller.Wayne@azdeq.gov]
Sent: Monday, September 11, 2017 3:21 PM
To: d'Almeida, Carolyn K. <dAlmeida.Carolyn@epa.gov>
Cc: steve <steve@uxopro.com>
Subject: 2017-9-11 - wafb -ADEQ evaluation of USAF RTCs - ADEQ comments on LNAPL Volume Calcs Mar 23 2017 - ST012 EBR - see fpu17-197 -- ADEQ fpu18-043 - epa

FYI -

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